**APPLICATION DATA SHEET**

**37 CFR 1.76 (Form PTO/AIA/14)**

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**APPLICATION DATA SHEET**

**Application Type:** Provisional

**Subject Matter:** Utility

**Suggested Classification:** G06F 21/62, H04L 9/08, H04L 9/32, G06N 10/00

**Suggested Technology Center:** 2400



**TITLE OF INVENTION**

Federated Quantum Threat Intelligence Network with Privacy-Preserving Multi-Organization Protocols, Zero Trust Architecture, Quantum-Verified Incident Response with Optimized Latency, and Quantum Homomorphic Encryption



**APPLICANT INFORMATION**

**Applicant 1:**

**Applicant Authority:** ☒ Inventor ☐ Legal Representative **Legal Name:**

**Prefix:**



**Given Name:** Brian



**Middle Name:** James



**Family Name:** Rutherford



**Suffix:**



**Type of Name:** ☒ Legal Name ☐ Name Change

**Residence Information:**

**City:** Wimberley



**State/Province:** TX



**Country:** US



**Postal Code:** 78676-3114



**Citizenship:** US

**Mailing Address:**

**Address Line 1:** 6 Country Place Drive



**Address Line 2:**



**City:** Wimberley



**State/Province:** TX



**Country:** US



**Postal Code:** 78676-3114



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**CORRESPONDENCE INFORMATION**

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**City:** Wimberley



**State/Province:** TX



**Country:** US



**Postal Code:** 78676-3114



**APPLICATION INFORMATION**

**Attorney Docket Number:** RUTHERFORD-013\_PROV

**Filing Date:** [TO BE ASSIGNED]

**Application Type:** Provisional

**Subject Matter:** Utility



**PUBLICATION INFORMATION**

**Request for Early Publication:** ☐ Yes ☒ No

**Request for Non-Publication:** ☐ Yes ☒ No



**REPRESENTATIVE INFORMATION**

* Pro Se Applicant (No Attorney/Agent) ☐ Customer Number:

☐ Attorney/Agent Name:



**DOMESTIC BENEFIT/NATIONAL STAGE INFORMATION**

This section is not applicable for this provisional application.



**FOREIGN PRIORITY INFORMATION**

No foreign priority is claimed.



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**ASSIGNEE INFORMATION**

* There is an Assignee

☒ **There is no Assignee**



**U.S. GOVERNMENT INTEREST**

* The invention was made by an agency of the U.S. Government
* The invention was made under contract with an agency of the U.S. Government

☒ **None of the above**



**PARTIES TO A JOINT RESEARCH AGREEMENT**

* **No Joint Research Agreement**

☐ Joint Research Agreement parties:



**SAFE HARBOR STATEMENT**

The provisional patent application describes quantum computing defensive cybersecurity systems that are currently in development stage. Certain performance metrics and capabilities described represent design goals and theoretical capabilities based on quantum computing principles and may be subject to modification as technology advances.



**ENTITY STATUS**

* Large Entity
* Small Entity
* **Micro Entity (Gross Income Basis - 37 CFR 1.29(a))**



**CERTIFICATION**

I certify that the applicant qualifies for micro entity status under 37 CFR 1.29(a) based on gross income as defined in 35 U.S.C. 123(a).



**SIGNATURE**

**Signature:** /Brian James Rutherford/

**Name:** Brian James Rutherford

**Date:** [CURRENT DATE]



**END OF APPLICATION DATA SHEET**